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SDT-S-103DMR,000

SDT-S-103DMR,000



OEG | OEG Miniature PCB Relay SDT-R

TE Internal #: **1461267-1**

TE Internal Description: **SDT-S-103DMR,000**

Power Relay Type : **Standard**

Coil Magnetic System : **Monostable, DC**

Coil Power Rating Class (mW): **500 – 600**

Coil Power Rating DC (mW): **540**

Coil Resistance (Ω): **17**

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Documents

Features

Product Compliance

Product Drawings

SDT-S-103DMR,000
[SDT-S-103DMR,000](#) English

CAD Files

Customer View Model
[ENG_CVM_CVM_1461267-1_D.2d_dxf.zip](#)
 English
 3D PDF
[3D_CVM_CVM_1461267-1_D.pdf](#) 3D
 Customer View Model
[ENG_CVM_CVM_1461267-1_D.3d_igs.zip](#)
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[ENG_CVM_CVM_1461267-1_D.3d_stp.zip](#)
 English

Datasheets & Catalog Pages

SDTR Series Relay Data Sheet English
[ENG_DS_SDTR_series_relay_data_sheet_E_0411.pdf](#)
 English

Product Specifications

Product Specification
[JPN_SS_108-79434_A1.pdf](#) Japanese
[ENG_SS_Definitions_Relays_0518.pdf](#) English

Product Type Features

Power Relay Type : **Standard**

Electrical Characteristics

Contact Limiting Breaking Current (A): **10**
Coil Magnetic System : **Monostable, DC**
Coil Power Rating Class (mW): **500 – 600**
Coil Power Rating DC (mW): **540**
Coil Resistance (Ω): **17**
Coil Special Features : **UL Coil Insulation Class E**
Coil Voltage Rating (VDC): **3**
Contact Switching Load (Min) : **100mA @ 5V**
Contact Switching Voltage (Max) (VAC): **250**
Contact Switching Voltage (Max) (VDC): **30**
Contact Voltage Rating (VAC): **250**
Contact Voltage Rating (VDC): **30**
Insulation Creepage Between Contact & Coil :
3.2 mm [.126 in]
Insulation Initial Dielectric Between Contacts & Coil (Vrms):
4000
Insulation Creepage Class (mm): **3 – 5.5**
Contact Limiting Continuous Current (A): **10**
Contact Limiting Short-Time Current (A): **10**
Contact Limiting Making Current (A): **10**
Insulation Initial Dielectric Between Open Contacts (Vrms):
1000
Insulation Initial Dielectric Between Coil & Contact Class (V):
3500 – 4000

Body Features

Product Weight : **11 g [.388 oz]**

Contact Features

Contact Arrangement : **1 Form A (NO)**
Contact Current Class (A): **5 – 10, 16**
Contact Current Rating (Max) (A): **10**
Contact Material : **AgSnO2**
Contact Number of Poles : **1**
Terminal Type : **PCB-THT**

Mechanical Attachment

Relay Mounting Type : **Printed Circuit Board**

Dimensions

Product Height : **25 mm [.984 in]**
Product Length : **24 mm [.945 in]**
Product Width : **10 mm [.394 in]**
Width Class (Mechanical) (mm): **8 – 10**
Insulation Clearance Between Contact & Coil :
1.6 mm [.093 in]
Height Class (Mechanical) (mm): **20 – 25**
Insulation Clearance Class (mm): **0 – 2.5**
Length Class (Mechanical) (mm): **20 – 25**

Usage Conditions

Environmental Category of Protection : **RTII**
Environmental Ambient Temperature (Max) : **70 °C [158 °F]**
Environmental Ambient Temperature Class (°C): **50 – 70**



Packaging Features

Packaging Method : **Box & Tray, Box & Tube, Tray, Tube**

EU RoHS Directive 2011/65/EU

This declaration covers EU Directive 2011/65/EU incl. Delegated Directive 2015/863/EU. The restrictions under 2015/863/EU apply as of 22 July 2021 for EEE categories 8 (medical devices) and 9 (monitoring and control equipment).

EU ELV Directive 2000/53/EC

China RoHS 2 Directive MIIT Order No 32, 2016

EU REACH Regulation (EC) No. 1907/2006

Current ECHA Candidate List: **JUL 2019 (201)**
Candidate List Declared Against: **JAN 2018 (181)**

Halogen Content

Solder Process Capability

Wave solder capable to 265°C

Statement of Compliance

[Statement of Compliance pdf](#)

Compliance Documents

There may be Environmental Compliance related documents on the [DOCUMENTATION Tab](#)

Disclaimer

This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, mercury, PBB, PBDE, DBP, BBP, DEHP, DIBP, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2011/65/EU (RoHS2). Finished electrical and electronic equipment products will be CE marked as required by Directive 2011/65/EU. Components may not be CE marked. Additionally, the part numbers that TE has identified as EU ELV compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, and mercury, and 0.01% for cadmium, or qualify for an exemption to these limits

as defined in the Annexes of Directive 2000/53/EC (ELV). Regarding the REACH Regulations, TE's information on SVHC in articles for this part number is still based on the European Chemical Agency (ECHA) 'Guidance on requirements for substances in articles' (Version: 2, April 2011), applying the 0.1% weight on weight concentration threshold at the finished product level. TE is aware of the European Court of Justice ruling of September 10th, 2015 also known as O5A (Once An Article Always An Article) stating that, in case of 'complex object', the threshold for a SVHC must be applied to both the product as a whole and simultaneously to each of the articles forming part of its composition. TE has evaluated this ruling based on the new ECHA "Guidance on requirements for substances in articles" (June 2017, version 4.0) and will be updating its statements accordingly.

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SDT-S-103DMR,000

SDT-S-103DMR, 000



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Power Relay Type : **Standard**
 Coil Magnetic System :
Monostable, DC
 Coil Power Rating Class : **500 – 600 mW**
 Coil Power Rating DC : **540 mW**
 Coil Resistance : **17 Ω**

POWER RELAYS

SDT-S-148DMR,000

SDT-S-148DMR, 000



Non-Stocked

Power Relay Type : **Standard**
 Coil Magnetic System :
Monostable, DC
 Coil Power Rating Class : **500 – 600 mW**
 Coil Power Rating DC : **540 mW**
 Coil Resistance : **4267 Ω**

POWER RELAYS

SDT-S-118DMR,000

SDT-S-118DMR, 000



Non-Stocked

Power Relay Type : **Standard**
 Coil Magnetic System :
Monostable, DC
 Coil Power Rating Class : **500 – 600 mW**
 Coil Power Rating DC : **540 mW**
 Coil Resistance : **600 Ω**

POWER RELAYS

SDT-S-106DMR,000

SDT-S-106DMR, 000



Non-Stocked

Power Relay Type : **Standard**
 Coil Magnetic System :
Monostable, DC
 Coil Power Rating Class : **500 – 600 mW**
 Coil Power Rating DC : **540 mW**
 Coil Resistance : **67 Ω**

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